Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-41. (Cancelled)

42. (Previously presented) A method for controlling access links between a mobile station and a network, characterized in that a plurality of branches are established between the network and the mobile station upon a call attempt to or from the mobile station when the mobile station is located at a position where it can communicate using diversity handover, the plurality of branches including a main branch and at least one auxiliary branch for additional use in order that the mobile station may communicate using diversity handover, thereby enabling the mobile station to commence communication using the plurality of branches.

43. (Previously presented) A method according to claim 42, wherein the branches are formed between the network and the mobile station via a single base station, thereby enabling the mobile station to commence communication using the plurality of branches.

44. (Previously presented) A method according to claim 42, wherein the branches are formed between the network and the mobile station via a plurality of base stations, thereby enabling the mobile station to commence communication using the plurality of branches.

45. (Previously presented) A method according to claim 42, wherein the mobile station measures the levels of receptions from surrounding base stations, selects candidate zones for the diversity handover on the basis of the measurement, and notifies the network about the candidate zones, and the network selects the branches in light of the notification from the mobile station.

46. (Previously presented) A method according to claim 42, wherein the network transmits a message, including a request to establish the branches, to the mobile station and commences communication with the mobile station using the plurality of branches.

47. (Previously presented) A mobile station characterized in that it establishes a plurality of branches directly between one or more base stations of a network and the mobile station upon receiving a message from the network when no access link is established between the network and the mobile station, the message including a request for establishing the branches, thereby commencing communication using the plurality of branches.

48. (Previously presented) A mobile station according to claim 47, wherein if the request includes an instruction to establish the branches between the mobile station and a single base station, the mobile station establishes the requested branches between the mobile station and the single base station, thereby commencing communication using the plurality of branches.

49. (Previously presented) A mobile station according to claim 47, wherein if the request includes a request to establish the branches between the mobile station and a plurality of base stations, the mobile station establishes the requested branches between the mobile station and the base stations, thereby commencing communication using the plurality of branches.

50. (Previously presented) A base station controller characterized in that it establishes, when a mobile station is at a location where it can communicate using diversity handover a plurality of branches between a network and the mobile station upon a call attempt to or from the mobile station, the plurality of branches including a main branch and at least one auxiliary branch for additional use in order that the mobile station may communicate using diversity handover.

51. (Previously presented) A base station controller characterized in that, when a mobile station is at a location where it can communicate using diversity handover, the base station controller transmits a message to both of a base station and a mobile station upon a call attempt

to or from the mobile station, wherein the mobile station and the base station communicate with each other using a plurality of branches, the message including a request for establishing a plurality of branches between the base station and the mobile station including a main branch and at least one auxiliary branch for additional use in order that the mobile station may communicate by means of intra-cell diversity handover.

52. (Previously presented) A base station controller characterized in that, when a mobile station is at a location where it can communicate using diversity handover, the base station controller transmits a message to a plurality of base stations upon a call attempt to or from the mobile station, wherein the mobile station communicates with the plurality of base stations, the message including a request for establishing a plurality of branches between the mobile station and the corresponding base stations.

53. (Previously presented) A base station characterized in that, when a mobile station is at a location where it can communicate using diversity handover, the base station establishes a plurality of branches between the base station and the mobile station according to an instruction from a base station controller upon a call attempt to or from the mobile station, wherein the mobile station and the base station communicate with each other using the plurality of branches, the plurality of branches including a main branch and at least one auxiliary branch for additional use in order that the mobile station may communicate by means of intra-cell diversity handover, thereby enabling the mobile station to commence.

Claims 54-99. (Cancelled)